ANALISA WAKTU DAN BIAYA PADA PROYEK *DOLPHIN STRUCTURE*
STUDI KASUS: FABRIKASI PT. LINTECH SEASIDE FACILITY

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ABSTRAK

Setiap pelaksanaan proyek konstruksi umumnya mempunyai sistem manajemen pelaksanaan yang tertentu. Pengendalian manajemen terhadap sumber daya dapat menyebabkan keterlambatan pelaksanaan suatu proyek konstruksi. Salah satu upaya untuk mengembalikan tingkat kemajuan proyek ke rencana semula yaitu mencari percepatan durasi yang paling maksimum dengan penambahan biaya langsung yang minimum tanpa mengurangi kualitas (mutu) suatu konstruksi. Pada tugas akhir ini penulis akan menganalisa penerapan metode CPM (*critical path method)* dan *crash program* pada pembangunan *dolphin structure* PT. Lintech Seaside Facility. Hasil penelitian ini menunjukan bahwa dalam mempercepat umur proyek dari 139 hari menjadi 119 hari. Dengan adanya penerapan CPM dan *crash program* ini akan berpengaruh terhadap biaya produksi, khususnya biaya tenaga kerja langsung. Hal ini diperlukan suatu tambahan waktu kerja (kerja lembur) pada kegiatan-kegiatan yang mengalami pemampatan. Pada hasil perhitungan ini maka didapatkan bahwa biaya produksi awal sebesar Rp 22.387.853.516,- menjadi Rp 33.581.753.274,-. Sehingga dengan adanya pemampatan waktu pembangunan selama 20 hari akan terjadi penambahan biaya tenaga kerja sebesar Rp 11.193.899.758,-

Kata kunci: ***CPM (Critical Path Method), Crash Program, Dolphin Structure, Network Planning***

ANALYSIS OF THE TIME AND COST ON THE PROJECT DOLPHIN STRUCTURE CASE STUDY: FABRICATION OF PT. LINTECH SEASIDE FACILITY

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ABSTRACT

Implementing a construction project generally have a system of management of execution that certain. Against resources management control can lead to delay the implementation of a project construction. One of an attempt to restore rate of progress the project to the original plan that is looking for an acceleration of the duration of the most maximum with the addition of direct cost minimum without reducing the quality of (quality) a construction. On an errand end of this writer will analyze the application of a method of cpm (critical path method) and crash program on the development of dolphin structure PT. Lintech Seaside Facility. This research result showed that in expedite the age of projects from 139 day into 119 days. With the existence of the application of cpm and crash this program will affect the production cost, especially the cost of labor directly. This is needed an additional working time (working overtime) on activities that experienced compression. On the outcome of this calculation is then he got that the cost of the initial production as much as Rp 22.387.853.516, - to Rp 33.581.753.274, -. So that by the presence of compression time development during 20 days will happen additional labor costs amounting to Rp 11.193.899.758, -

Keyword: ***CPM (Critical Path Method), Crash Program, Dolphin Structure, Network Planning***.